

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2009 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0008</b>	Overall LMA Rating	Total LMA Miles				
<b>Knights Landing Ridge Drainage District</b>	<b>U</b>	<b>12.57</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.44		0.44	3.50%		
Trim / Thin Trees	0.01		0.01	0.08%		
Encroachments	0.24		0.24	1.91%	0.62	0.07
Animal Control	0.06		0.06	0.48%		
USACE Erosion Survey	2.20		2.20	17.50%		
<i>LMA Totals:</i>	2.95	0.00	2.95	23.47%	0.62	0.07

  

<b>Unit No. 01 Knights Landing Ridge Cut</b>	Overall Unit Rating	Total Unit Miles				
	<b>A</b>	<b>6.43</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.01		0.01	0.16%		
Trim / Thin Trees	0.01		0.01	0.16%		
Encroachments	0.24		0.24	3.73%		
Animal Control	0.05		0.05	0.78%		
USACE Erosion Survey	0.26		0.26	4.04%		
<i>Unit Totals:</i>	0.57	0.00	0.57	8.87%	0.00	0.00

  

<b>Unit No. 02 Knights Landing Ridge Cut</b>	Overall Unit Rating	Total Unit Miles				
	<b>U</b>	<b>6.14</b>				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.43		0.43	7.00%		
Encroachments					0.62	0.07
Animal Control	0.01		0.01	0.16%		
USACE Erosion Survey	1.94		1.94	31.60%		
<i>Unit Totals:</i>	2.38	0.00	2.38	38.76%	0.62	0.07

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2009 Levee Inspection Results**

**Knights Landing Ridge Drainage District**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2009 Levee Inspection Results**

**Knights Landing Ridge Drainage District**

Waterway			Bank	Unit Miles
Unit No. 01 Knights Landing Ridge Cut			Right	6.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/12/2009		9/24/2009	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

**Comments**

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000

**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2009**

**Knights Landing Ridge Drainage District**

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut					Right	6.43	10/05/2009 10/05/2009	John Williamson

  

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.26	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: tension cracks, slumping	38.722262 ° -121.666350 °	38.718938 ° -121.663858 °	933 Y
2	0.69	0.69	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.726448 ° -121.672062 °	38.726448 ° -121.672062 °	934 Y
3	1.16	1.16	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.730265 ° -121.678982 °	38.730265 ° -121.678982 °	3
4	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.732418 ° -121.681292 °	38.732418 ° -121.681292 °	4
5	1.47	1.47	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.733706 ° -121.682455 °	38.733706 ° -121.682455 °	8
6	1.62	1.62	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.735505 ° -121.684298 °	38.735505 ° -121.684298 °	935
7	1.69	1.69	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.736200 ° -121.684970 °	38.736200 ° -121.684970 °	9
8	1.75	1.75	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.736998 ° -121.685652 °	38.736998 ° -121.685652 °	936
9	2.46	2.46	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.745451 ° -121.692931 °	38.745451 ° -121.692931 °	10
10	2.71	2.71	Earthen Levee	Encroachments	LS	C	Garbage	38.748521 ° -121.695002 °	38.748521 ° -121.695002 °	11
11	3.14	3.14	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.755229 ° -121.694394 °	38.755229 ° -121.694394 °	937
12	4.39	4.39	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.770340 ° -121.703308 °	38.770340 ° -121.703308 °	12
13	6.17	6.41	Earthen Levee	Encroachments	LS	M	Equipment	38.790007 ° -121.723308 °	38.792433 ° -121.726463 °	7 Y

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
PO : Partially Obstructing  
CO : Completely Obstructing  
N : Not Inspected  
C : Corrected

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2009**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Knights Landing Ridge Cut	Right	6.43	10/05/2009 10/05/2009	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.69
End Levee Mile	0.69
Location	Land Side
Category	Earthen Levee
Item	Animal Control

squirrel holes landside

johngw\_20091007\_28.jpg



Levee Mile Report Line	13
Start Levee Mile	6.17
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

equipment on levee slope

johngw\_20091007\_29.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2009 Levee Inspection Results**

**Knights Landing Ridge Drainage District**

Waterway			Bank	Unit Miles
Unit No. 02 Knights Landing Ridge Cut			Left	6.14
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		9/24/2009	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

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**Levee Inspection Report By Mile - Fall 2009**

**Knights Landing Ridge Drainage District**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Knights Landing Ridge Cut						Left	6.14	10/05/2009 10/05/2009	John Williamson	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.69	0.75	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.730015 ° -121.675337 °	38.730602 ° -121.676190 °	5 Y
2	0.81	0.99	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	38.731110 ° -121.677023 °	38.732994 ° -121.679244 °	944 Y
3	0.81	0.99	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.731113 ° -121.677021 °	38.732996 ° -121.679238 °	943 Y
4	0.95	0.95	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.732577 ° -121.678772 °	38.732577 ° -121.678772 °	4 Y
5	1.26	1.26	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.736183 ° -121.682145 °	38.736183 ° -121.682145 °	7
6	1.27	1.51	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.736310 ° -121.682349 °	38.739139 ° -121.684904 °	942
7	2.24	2.24	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.747646 ° -121.692485 °	38.747646 ° -121.692485 °	945
8	2.29	2.29	Earthen Levee	Encroachments	LS	C	Garbage	38.748449 ° -121.692680 °	38.748449 ° -121.692680 °	941
9	2.74	2.96	Supplemental Survey	USACE Erosion Survey	LS	M	Inspector Comments: slumping	38.757942 ° -121.692963 °	38.754902 ° -121.692565 °	934
10	3.01	3.08	Supplemental Survey	USACE Erosion Survey	LS	C	Inspector Comments: piping holes, tension cracks, slumping	38.759468 ° -121.693963 °	38.758623 ° -121.693285 °	935
11	3.35	3.97	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.762362 ° -121.697247 °	38.770357 ° -121.701281 °	940
12	4.01	4.09	Supplemental Survey	USACE Erosion Survey	LS	M	Inspector Comments: tension cracks, slumping	38.771932 ° -121.701728 °	38.770901 ° -121.701391 °	936
13	4.39	6.03	Supplemental Survey	USACE Erosion Survey	LS	M	Inspector Comments: tension cracks, slumping	38.792562 ° -121.724002 °	38.775824 ° -121.703773 °	937
14	6.05	6.12	Earthen Levee	Encroachments	LS	CO	Crops Inspector Comments: no access strawberries are being grown landside levee slope and crown	38.792735 ° -121.724092 °	38.792735 ° -121.724092 °	1

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2009**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	10/05/2009 10/05/2009	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.69
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Vegetation
remove willows	
johngw_20091007_30.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.81
End Levee Mile	0.99
Location	Water Side
Category	Earthen Levee
Item	Vegetation
weeds taller than 12" need to mow	
johngw_20091007_31.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.81
End Levee Mile	0.99
Location	Land Side
Category	Earthen Levee
Item	Vegetation
same for landside	
johngw_20091007_32.jpg	

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2009**

**Knights Landing Ridge Drainage District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Knights Landing Ridge Cut	Left	6.14	10/05/2009 10/05/2009	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Water Side
Category	Earthen Levee
Item	Vegetation
remove and spray willows	
johngw_20091007_33.jpg	

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